

# INTRODUCTION

## Fire Service Extension Program

The Fire Service Regional Extension Program of the Tennessee Fire Service and Codes Enforcement Academy is committed to the delivery of quality fire service training programs at the local and fire department level to make TFACA training accessible to all fire departments across the state.

Individual fire departments or local area fire departments and fire service organizations may request on-site delivery of the available programs listed in this section. These courses provide a broad range of training and educational opportunities that range from basic firefighting to officer level of command and management.

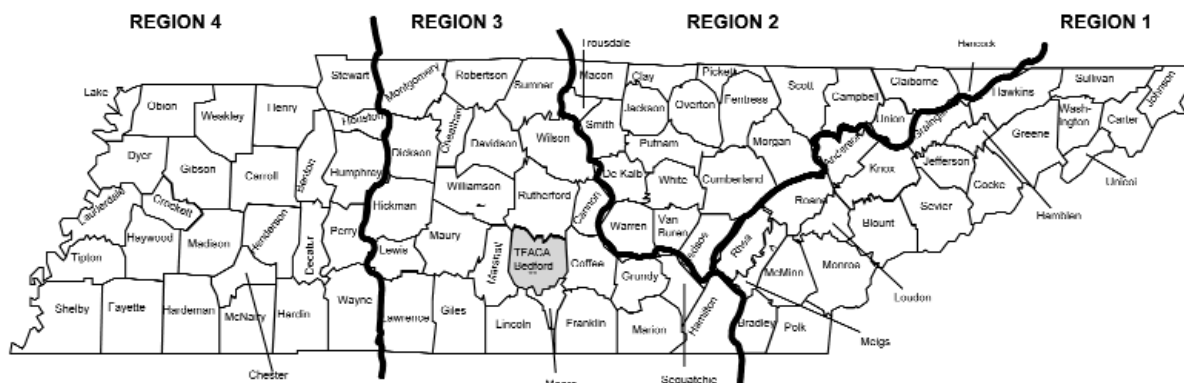
To maximize the effectiveness of instructional deliveries, a minimum of 15 students is required to conduct a course. Departments are encouraged to invite other area departments to participate with your department in scheduled courses to increase the training opportunity for all local departments. The Regional Fire Service Programs are offered on a contractual basis and tuition fees are charged. Contact the regional fire instructor regarding tuition fees, requirements or for additional information.

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You may also contact Regional Fire Service Program Supervisor Jerry Crews at 931.294.4153.

### **TENNESSEE DEPARTMENT OF COMMERCE AND INSURANCE OFFICE OF THE STATE FIRE MARSHAL TENNESSEE FIRE SERVICE AND CODES ENFORCEMENT ACADEMY**

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# COURSE DESCRIPTIONS

## GENERAL

### RECRUIT / FIREFIGHTER I – F100\*

This eight-week program is designed to take the student from pre-service entry level to Firefighter I and covers all aspects of firefighting based on NFPA 1001: *Fire Fighter Professional Qualifications*, with the exception of emergency medical training. The student will participate in classroom instruction, nighttime response exercises and practical skills training including “live” fire scenarios. At the end of the last week, eligible students may take the Tennessee Commission on Firefighting Personnel and Standard Education certification exam for Firefighter I.

Course Hours: 300  
Course Fee: \$345.00  
Food / Lodging Fee: \$30.00/night

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.

### BASIC / LIVE FIREFIGHTING - F102\*

This two-week program is designed to provide basic fire ground skills covered in selected sections of NFPA 1001: *Fire Fighter Professional Qualifications*, which meets the basic skill level for the student to participate in “live” fire training activities. The student will participate in classroom instruction and practical skills training including “live” fire scenarios. Volunteer and other firefighters who are unable to attend longer programs would benefit from this condensed course.

Course Hours: 80  
Course Fee: \$92.00  
Food / Lodging Fee: \$30.00/night

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.

### BASIC FIREFIGHTING – FF100

This course is designed to provide basic fire ground skills necessary to operate and perform on the fire ground. The program is geared to volunteer firefighters and others who are unable to attend longer duration programs. The course covers selected sections of NFPA 1001: *Fire Fighter Professional Qualifications* meeting the basic skill level for the student to participate in “live” fire fighting training activities. This course is a pre-requisite for students who wish to attend the 22-hour FF101 - Live Firefighting course at the Academy.

The student will receive a certificate for Basic Firefighting upon successful completion of written and practical testing.

Course Hours: 64  
Course Fee: \$75.00

### LIVE FIREFIGHTING - F110\*

This course is designed to provide the student with practical application of the skills learned in FF100 - Basic Firefighting. This course incorporates a variety of practical training drills and







scenarios including search and rescue, structural fire attack and exterior fires. “Live” fire training evolutions are included.

Course Hours: 22  
 Course Fee: \$25.00  
 Food / Lodging Fee: \$30.00/night  
 Prerequisite: Basic Firefighting – FF100 completed within the past 12 months **OR** attended the following: Basic/Live Firefighting – FF102, Recruit/Firefighter I – F100, Live Firefighting – F110 completed within the past 24 months **OR** Basic Firefighter Refresher – F150 completed within the past 12 months.

*\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.*

## **FIREFIGHTER II – F200**

This four-week program is designed to take the student from the Firefighter I level to the advanced level of Firefighter II. This program meets or exceeds the NFPA 1001: *Firefighter Professional Qualifications*. The students will participate in classroom instruction, incident report writing, flammable liquid live fires, fire ground command, evidence preservation, vehicle extrication, pre-incident survey, equipment maintenance, fire hose test and fire hydrant testing. Students will receive instruction in Hazardous Materials at Operations Level, which meets the NFPA 472: *Professional Competence of Responder to Hazardous Materials Incidents*. During the last week of this course, eligible students meeting commission requirements may take the Tennessee Commission on Firefighting Personnel and Standard Education certification exam for Firefighter II.



Course Hours: 150  
 Course Fee: \$175.00  
 Food / Lodging Fee: \$40.00/night  
 Prerequisites: Certification as Firefighter I **OR** have completed the following: Recruit Firefighter I – F100 **OR** Basic Firefighting – FF100 **AND** Live Firefighting – F110 **OR** Basic/Live Firefighting – F102



## **REGIONAL COURSE DEPARTMENT SPECIFIC – FF110**

This category is utilized for subject areas that are not covered in the established courses. TFACA Regional Instructors can provide a variety of fire service training topics that can be tailored specific to the fire departments training needs. Fire departments interested in specialized training topics taught in their department should contact their TFACA Regional Instructor for further information on arranging a specific class.

Course Hours: Varies-dependant on number of students  
 Course Fee: \$2.00 per hour, per student

## **SELF-CONTAINED BREATHING APPARATUS (SCBA) – USING IT – FF114**

This course is designed to provide the fire department personnel with the basic knowledge and skills to safely utilize fire service self-contained breathing apparatus (SCBA). The course subject areas include understanding hazardous atmospheres and the need for SCBA, types of SCBA, donning, basic use, return to service, and inspection/basic maintenance.

Course Hours: 21  
 Course Fee: \$69.00 on-campus, \$42.00 off-campus

## STRATEGY AND TACTICS – FF116

This program is designed to teach the student the basic principles of strategy and tactics used in fire service emergency operations. The course subject areas include size-up, developing strategy and tactical plans, fire ground command, resource deployment, and practical exercises.

Course Hours: 18  
Course Fee: \$60.00 on-campus, \$36.00 off-campus

## FLAMMABLE GAS FIREFIGHTING TACTICS – FF117

This course ranges in length from 8 to 12 hours depending on fire department needs and available activities. The course is designed to familiarize the student with the specialized strategy and tactics required to safely handle flammable gas emergencies. Key areas of the course include flammable gas characteristics and hazards, strategy and tactics for fire and non-fire events, fire attack, and “live” firefighting scenarios.

Course Hours: 8-12 dependent on number of students  
Course Fee: \$2.00 per hour per student  
Prerequisite: Recruit/Firefighter 1-F100, Basic Live Firefighting F102, Live Firefighting F110, Basic Firefighting Refresher F150

## BUILDING CONSTRUCTION: PRINCIPLES – FF120

This course is designed to enable the student to cite key features of non-combustible or fire-resistive buildings that may affect emergency operations. Fire and life safety concerns that exist in non-combustible and fire resistive structures are studied. Major topics covered in the course are the key features of non-combustible or fire-resistive structures that affect emergency operations, fire behaviors of steel and concrete are presented so that the effect of their presence in non-combustible or fire-resistive structures may be better anticipated, principles of fire spread, products of combustion, special problems with finishes and building elements, and the unique problems of conducting emergency operations in buildings under construction are studied.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

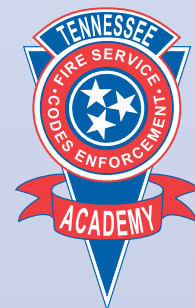
## BUILDING CONSTRUCTION: NON-COMBUSTIBLE – FF121

This course is designed to enable the student to recognize construction types, design, alteration consequences, materials used, and their influence on the building’s reaction to fire in wood and ordinary construction structures. In a tactical situation construction features and resultant potential hazards to fire fighters are studied. Major topics covered in the course are information of how construction type alterations, design, and materials influence a building’s reaction to fire, principles of “fire ground” reading of a building and the value of relevant advance information about buildings are explained; building stability and resistance to fire; special hazards to firefighters and construction elements; and the determination of likely paths of fire extension.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus  
Prerequisite: Building Construction I – FF120

## INCIDENT COMMAND SYSTEM – FF130

This course is designed to allow the student to demonstrate the need for an organized approach to managing emergency incidents, to identify laws and standards requiring this approach, to identify the elements of an effective system, and evaluate his/her department’s capabilities. Major topics covered in the course are the need for organized incident management, the laws and standards requiring same, the components of such a system, relationship between business management and incident management, the National Fire Academy model of such a system, and other examples of incident management systems.





Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

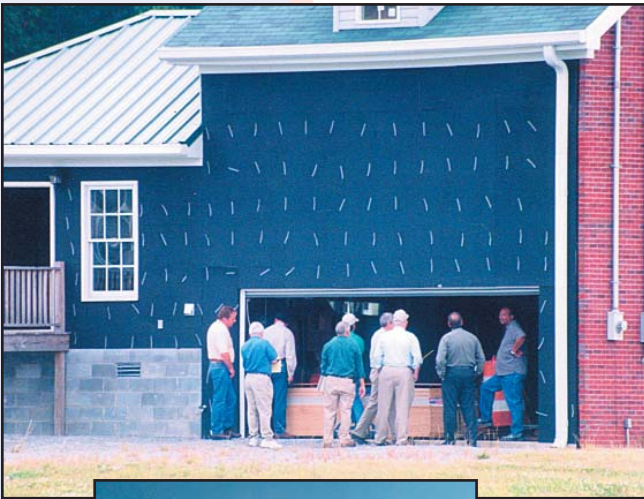
\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

### **ARSON DETECTION FOR THE FIRST RESPONDER – FF136**

This course is designed to enable the student to recognize the indicators of an intentionally set fire, preserve evidence, report the information to the appropriate office, know the role of a first responder, and that the role is not to determine cause and origin of the fire. Major topics include fire behavior, critical observations of the first responder, fire cause, scene security and evidence preservation, legal consideration, and reporting of findings.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.



### **FIRE ARSON DETECTION – FF137**

This course is designed to educate company officers and senior firefighters in the basic of fire origin and cause, including interviewing of witnesses. Major topics include defining arson, understanding the impact of arson, developing the proper mind set, on-scene collection of information and listening, initiating an investigation, defining fire, explaining the fire tetrahedron, fuel loading, fire ignition and fire patterns, understanding motives, stereotypes, the use of fire laws, proper observation while en-route, on-scene interior and exterior for structures and vehicles, wildland arson problems, burn indicators and causes, investigative responsibility, evidence preservation, scene security, note taking and court demeanor.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



### **BASIC FIREFIGHTING REFRESHER – FF150**

This course is designed to provide refresher training in basic fire ground skills necessary to operate and perform on the fire ground. The program is geared for fire service personnel who have previously completed *FF-100 – Basic Firefighting* or *F102 – Basic/Live Firefighting* and *F110 or FF101 – Live Firefighting* courses at TFACA. The course reviews selected sections of NFPA 1001: Fire Fighter Professional Qualifications meeting the basic skills level for the student to participate in “live” firefighting training activities.

Course Hours: 12  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

### **VENTILATION – FF151**

This course is designed to educate firefighters and officers in basic and advanced ventilation techniques used in structural fire fighting operations. The course covers natural and mechanical ventilation methodology with emphasis on the latest techniques and concepts including positive pressure ventilation. The class includes lecture, demonstration, and hands-on student activities.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



## **RAPID INTERVENTION TEAM OPERATIONS – FF159\***

This newly revised 30-hour course is a comprehensive program designed to prepare experienced firefighters for the difficult job of rescuing other firefighters from a structure fire incident. The course emphasizes the importance of Rapid Intervention Teams (RIT) being composed of veteran, well trained, and physically fit firefighters. Major course topics include: MAY-DAY procedures; Rapid Intervention Team search techniques; downed firefighter assessment; air changeover procedures; drags and carries; extrication; 2:1 lowering systems; sub-level rescues; ladder rescues; the “Denver” drill; the “Pittsburgh” drill; communications; and accountability. The first four hours of the class are classroom with the remaining 16-hours consisting of hands-on practical training.

Course Hours: 30  
Course Fee: \$98.00  
Prerequisites: Smoke Divers – FR100 **OR** Firefighter Survival: “Get out Alive” – FF175

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.

## **BASIC AWARENESS TO STRUCTURAL COLLAPSE – FF174\***

This course provides a general knowledge of the skills necessary while responding to a structural collapse incident. The course covers selected sections of NFPA 1006 200 ed. and 1670 1999 Ed. Topics include recognition of potential collapse, hazards, and site control and procedures. Additional topics include victim rescue and the four levels of Urban Search and Rescue (USAR): Basic, Light, Medium and Heavy.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **FIREFIGHTER SURVIVAL: “GET OUT ALIVE!” – FF175\***

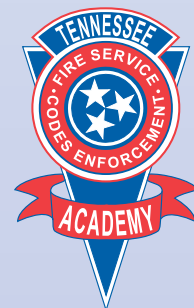
This course is designed to prepare firefighters for the dangers that are present on the modern day fireground. Students learn and demonstrate proven survival skills that have prevented firefighters in the past from dying when unexpected events occur. Topics include SCBA emergencies, escapes and confidence, entanglement emergencies, wall breeches, and disorientation emergencies. Additional topics include anchors and knots, rope escape techniques, hose slide, straddle and hang and drop. This course is geared towards keeping the firefighter from becoming trapped in a situation where they themselves require rescue.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.

## **NATIONAL INCIDENT MANAGEMENT SYSTEM (NIMS): INCIDENT COMMAND SYSTEM FOR THE FIRE SERVICE – FF177**

This course is designed to help the student recognize the importance of an effective overall incident management system and understand the various components that provide the basis for that system. Students will understand the need for an organized approach to managing emergency incidents and the need for agencies to work together. Fire departments may currently have a chain of command and designate incident commanders but not have the knowledge to fully utilize an incident command system.



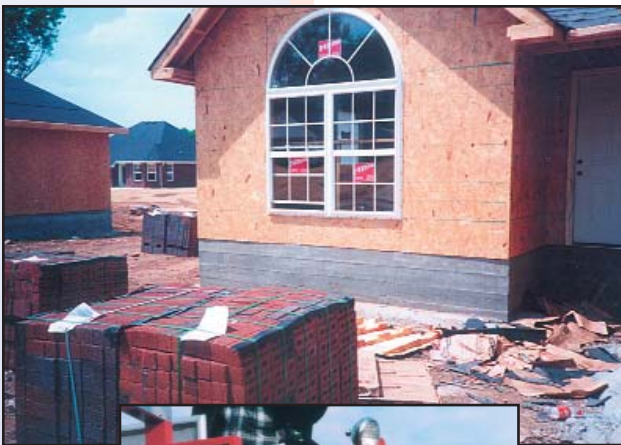


Many other agencies besides fire agencies will be adopting the National Incident Management System (NIMS) as determined by the Department of Homeland Security (DHS). This is not a new emergency incident management system, but rather, the reinforcement and expansion of the present Incident Command System (ICS) that is used by fire and emergency services. With DHS assistance in providing and mandating a single ICS, this Nation's emergency response personnel will move in the direction of greater management harmony, which will ensure the effective management of America's major emergencies.

Course Hours: 15  
 Course Fees: \$50.00 on-campus, \$30.00 off-campus

## FIRE APPARATUS / EQUIPMENT

### FIRE APPARATUS DRIVER / OPERATOR (PUMP OPERATIONS 1) WEEK 1 - FA101



This is the first course in a three-part series designed to instruct the student in the basic theory and operating principles of fire service pumping apparatus meeting selected requirements of NFPA 1002: *Fire Apparatus Driver/Operator Professional Qualifications*. Key areas of the course include skill and practical exercises involving: type of apparatus and fire pumps, apparatus inspection and maintenance, fire hose nozzles and flow rates, and pressure calculations.

Course Hours: 30  
 Course Fee: \$98.00 on-campus

### FIRE APPARATUS DRIVER/OPERATOR (PUMP OPERATIONS 2) WEEK 2 - FA102



This is the second course in a three-part series designed to provide the student with hands-on practical training in the operation of fire service pumping apparatus. The course builds on the knowledge gained in Pump Operations I and meets selected requirements of NFPA 1002: *Fire Apparatus Driver/Operator Professional Qualifications*. Key areas of the course include foam equipment and systems, apparatus testing, operating fire pumps, static water supply sources, and water shuttle operations.

Course Hours: 30  
 Course Fee: \$98.00 on-campus  
 Prerequisites: Fire Apparatus Driver/Operator (Pump Operations1) Week 1 – FA101

### FIRE APPARATUS DRIVER/OPERATOR (PUMP OPERATIONS 3) WEEK 3 - FA103

This is the third course in a three-part series designed to provide the student with hands-on practical driver training and relay pump operations meeting NFPA 1002: *Fire Apparatus Driver/Operator Professional Qualifications*. Key areas of the course include operating emergency vehicles, positioning apparatus and relay pumping. At the end of the three weeks, eligible students may take the Tennessee Commission on Firefighting Personnel and Standard Education certification exam for Driver/Operator Pumper.

Course Hours: 30  
 Course Fee: \$98.00 on-campus

Prerequisites: Fire Apparatus Driver/Operator (Pump Operations 1) Week 1 FA101  
AND Fire Apparatus Driver/Operator (Pump Operations 2) Week 2 – FA102

### **PUMP MAINTENANCE - FA105**

This course is designed to provide the student hands-on practical training in the repair and maintenance of fire pumps and pump accessory equipment. All procedures taught can normally be done in the fire station with appropriate training and equipment. Students will work in groups on actual in-service fire apparatus to repair, test and return fire service pumps to service.

Course Hours: 30  
Course Fee: \$98.00 on-campus

### **DRIVER / OPERATOR AERIAL WEEK 1 - FA106**

This course is the first in a two-part series designed to instruct the student in the maintenance and operation of aerial apparatus. Course topics include types and construction of aerial apparatus, driving and tillering of aerial apparatus, positioning, stabilizing, and operating of telescoping, and articulating. The course also covers the fundamentals of strategies and tactics for utilizing aerial apparatus on emergency scenes and provides the student with the ability to understand what to inspect and test. The course meets the NFPA 1002: *Fire Apparatus Driver/Operator Professional Qualifications, Chapter 4*.

Course Hours: 30  
Course Fee: \$98.00 on-campus  
Prerequisite: Recommend Fire Apparatus Driver/Operator Week 1FA101, Fire Apparatus Driver/Operator Week 2 – FA102 AND Fire Apparatus Driver/Operator Week 3 – FA103 OR Certification as Fire Service Driver/Operator

### **DRIVER / OPERATOR AERIAL WEEK 2 - FA107**

This course is the second in a two-part series designed to provide the student with hands-on practical training in the operation of fire service aerial apparatus. The course builds on the knowledge gained in Driver/Operator Aerial Week 1. The student will conduct practical training in preventative maintenance, positioning and driving the apparatus. The course meets the NFPA 1002: *Fire Apparatus Driver/Operator Professional Qualifications, Chapter 4*. At the end of the two weeks, eligible students may take the Tennessee Commission on Firefighting Personnel and Standard Education certification exam for Driver/Operator Aerial.

Course Hours: 30  
Course Fee: \$98.00 on-campus  
Prerequisite: Driver / Operator Aerial Week 1 – FA106

### **SELF-CONTAINED BREATHING APPARATUS (SCBA) MAINTENANCE AND REPAIR - FA121**

This course is designed to familiarize the student with the basic maintenance and repair of self-contained breathing apparatus. The course includes the basic knowledge of several different brands of breathing apparatus, inspection of apparatus, field and shop maintenance activities and requirements and refilling procedures and standards. Student activities include lecture, demonstration and hands-on exercises.

Course Hours: 30  
Course Fee: \$98.00 on-campus







## **INTRODUCTION TO FIRE DEPARTMENT PUMPERS – FF111**

This course is designed to familiarize the student with the basic operation of fire department pumper apparatus. Course subject areas include types of pumps, pump operation, pump accessories, daily maintenance, and simplified fire ground hydraulic calculations. Classroom activities and practical application is included as part of the course.

Course Hours: 15  
 Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **PUMPER HYDRAULICS – FF112**

This course is designed to familiarize the student with fire service hydraulic calculations for use in the operation of fire department pumpers. The course includes theory of fire service hydraulics, hydraulic formulas and calculations, and practical work exercises.

Course Hours: 15  
 Course Fee: \$50.00 on-campus, \$30.00 off-campus



## **ISO AND TANKER OPERATIONS – FF113**

This course ranges in length from 15 to 57 hours, depending on the particular equipment and situation of the specific fire department. The course covers the Insurance Service Office (ISO) grading schedule and requirements for tanker shuttle water supply, water supply calculations, basic tanker operations, and water shuttling. Both classroom and practical hands-on training are incorporated in the course.

Course Hours: 15 to 57  
 Course Fee: \$3.25 per student, per hour on-campus  
 \$2.00 per student, per hour off-campus

## **EMERGENCY VEHICLE DRIVER TRAINING – FF115**

This course is designed to teach the student the basics of safe driving of emergency response vehicles. The course is taught with the Volunteer Fire Insurance Services (VFIS) Emergency Vehicle Driver Training package. The course includes classroom instruction along with practical driver training exercises using the fire departments apparatus. An appropriate driver training area and fire apparatus must be provided by the fire department for the practical exercises.

Course Hours: 8-average, dependent on number of students  
 Course Fee: \$3.25 per student, per hour on-campus  
 \$2.00 per student, per hour on-campus



## **AERIAL APPARATUS FAMILIARIZATION – FF165**

This course is designed to provide generic training on aerial apparatus operations and their tactical use. The program is designed so that the instructor can incorporate specific training elements on the host department's type of aerial apparatus. In order to do this, the host department will be required to furnish in advance the operations manual and related technical materials on the specific aerial device.

Course Hours: 15  
 Course Fee: \$50.00 on-campus, \$30.00 off-campus  
 Prerequisites: MCTO: Preparation – FF131, MCTO: Decision Making – FF132  
 AND MCTO: Tactics – FF133



## EMERGENCY MEDICAL

### FIRST RESPONDER - EM120

A “first responder” is defined as any person who might be present during an emergency or illness before the paramedics arrive on the scene. This objective of this course is to improve the quality of emergency medical care rendered to victims of accidents and injuries. It is critical for the first responder to be proficient in providing basic life support and taking other necessary actions to minimize the patient’s discomfort and to prevent further complications. Course topics include use of automated external defibrillation (AED), simple immobilization and splinting, airway management, bag-valve resuscitator and oxygen therapy. Practical exercises and written examinations are requirements for successfully completing this course.

Course Hours: 60  
Course Fee: \$200.00

### FIRST RESPONDER REFRESHER– EM130

This course is designed to meet the state requirements for renewal of a state certified Tennessee State First Responder.

Course Hours: 15  
Course Fee: \$40.00  
Prerequisites: Currently certified as Tennessee First Responder and hold a current Health Care Provider CPR card.



### INCIDENT COMMAND SYSTEM (ICS) FOR EMERGENCY MEDICAL SERVICES – FF161

This course is designed to introduce the student to the concepts of Emergency Medical Services (EMS) – specific Incident Command System (ICS) through lecture and guided discussion. The student will use scenarios, case studies, graphics, and role-play to demonstrate the understanding and application of the concepts. Upon completion of this course, the student should be able to implement an Incident Command System at small or medium sized EMS related incidents and manage the incident during the initial set-up and operation or until the line supervisor arrives on the scene and assumes command.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus  
Prerequisite: Prior ICS course work or working knowledge of ICS and a minimum of a medical first responder level of training and certification.

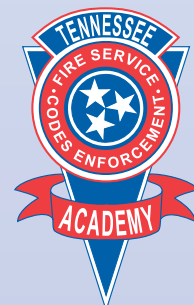


### SIDS: SUDDEN INFANT DEATH SYNDROME FOR THE EMERGENCY RESPONDER – FF173\*

This course is designed to provide Tennessee’s emergency responders with an understanding of Sudden Infant Death Syndrome (SIDS) and their related roles as emergency medical responders. This course explains Tennessee law requirements regarding investigation of all sudden unexplained infant deaths and related training of the emergency medical responders, paid and volunteer firefighters, rescue squads and law enforcement personnel. The student will understand and define SIDS and its specific risk factors. First responders will also understand his/her role as a witness at an emergency scene, and identify the critical surroundings and environment.

Course Hours: 3  
Course Fee: \$10.00

\*Note: This course is mandated by Tennessee Code Ann. 68-1-1102, 2001, and supp. 2002 for all emergency response personnel as part of their initial or continuing education training requirements.





## INDUSTRY

### INCIPIENT FIRE BRIGADE - FI110

This course provides training for industrial fire brigade members who are assigned to incipient level fire brigades as defined by OSHA 29 CFR 1910.156: *Fire Brigades*. This course meets selected portions of OSHA 29 CFR 1910.156: *Fire Brigades* and NFPA 600: *Industrial Fire Brigades* standard that relates to incipient fire brigades. Key areas of the course include incipient fire brigade organization and responsibilities, fire behavior, fire extinguishers, handling operations, and incipient level fire training exercises.

Course Hours: 16  
Course Fee: \$120.00

### INTERIOR STRUCTURAL FIRE BRIGADE - FI120

This course is designed to provide basic level training for industrial fire brigades that have identified structural firefighting responsibility within their emergency action plan. It meets selected portions of OSHA 29 CFR 1910.156: *Fire Brigades*, and the NFPA 600: *Industrial Fire Brigades* standard. Key areas of the course include fire brigade organization and responsibilities, fire behavior, firefighting equipment, fire attack and rescue. "Live" fire training scenarios are a part of the program.

Course Hours: 32  
Course Fee: \$320.00

### ADVANCED EXTERIOR FIRE BRIGADE - FI130

This course is designed to provide basic level training for industrial fire brigades that have identified exterior fire fighting responsibility within their emergency plan. This course meets selected portions of OSHA 29 CFR 1910.156: *Fire Brigades* and NFPA 600: *Industrial Fire Brigades* standard. Key areas of the course include fire brigade organization and responsibilities, fire behavior, fire fighting equipment, exterior fire attack and operations, and flammable liquid and gas firefighting. "Live" fire training scenarios will be utilized as part of the training process to enhance student skills.

Course Hours: 24  
Course Fee: \$240.00

### FIRE BRIGADE LEADER - FI201

This course is designed to provide training in basic leadership and tactical skills for fire brigade personnel with leadership responsibilities and follows the guidelines referenced in OSHA 29 CFR 1910.156: *Fire Brigades*. Key areas of the course include fire brigade organization, leadership principles, strategy and tactics, and practical command scenarios. "Live" fire training scenarios are part of the training process to enhance student skills and demonstrate competency.

Course Hours: 24  
Course Fee: \$240.00

## FIRE OFFICE / ADMINISTRATION

### FIRE INSTRUCTOR I - FO101

This course is designed to teach fire department instructor job responsibilities including skills to analyze training needs of a department and develop a comprehensive training program. The student will learn to construct behavioral objectives, perform job breakdowns, develop instructor guide sheets and develop and use visual aids. Out-of-class work and practical teaching assignments are used to practice and demonstrate instructional skill development. The course meets selected requirements



of NFPA 1041: *Fire Service Instructor Professional Qualifications*. After completion of the course, eligible students may take the Tennessee Commission on Fire Fighting Personnel and Standard Education certification exam for Fire Instructor I.

Course Hours: 40  
Course Fee: \$130.00

## **FIRE INSTRUCTOR II- FO102**

This course provides information on how to design a course, determine course objectives, develop course outlines, select appropriate tests and supporting aids, and coordinate support for the course. The course emphasizes an approach that is oriented toward performance-based local training. Students identify a training need as a pre-course assignment. During class, the student will apply course principles to the design of a training package that meets the need for their particular jurisdiction. This course meets objectives of NFPA 1041: *Fire Service Instructor Professional Qualifications* for Fire Service Instructor II.

Course Hours: 40  
Course Fee: \$130.00  
Prerequisites: Fire Instructor I – FO101

## **FIRE OFFICER I: WEEK 1 - FO201**

This course is directed toward fire service personnel currently serving as fire officers with fire ground responsibilities or those anticipating such responsibilities in the near future. The course identifies the fire officer's role as a supervisor, emphasizing planning, organizing, directing, coordinating and controlling. Subjects include discipline, motivation, public relations, training, and concentrates on human relationships: why people act and react the way they do. Class activities provide the student the ability to develop and enhance problem-solving skills. The course meets selected requirements of NFPA 1021: *Fire Officer Professional Qualifications*.

Course Hours: 30  
Course Fee: \$98.00

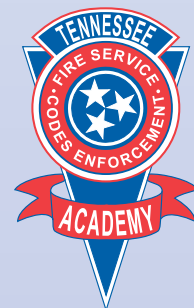
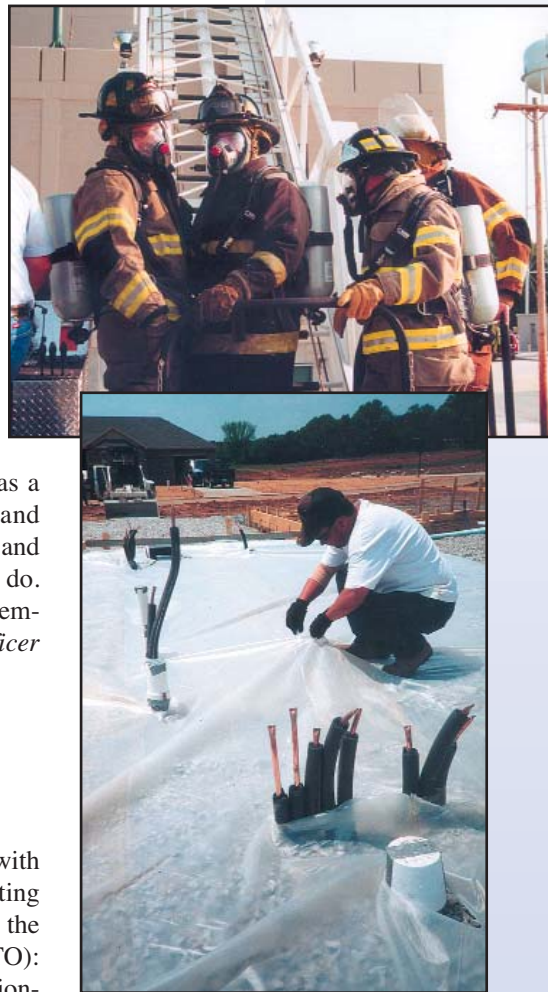
## **FIRE OFFICER I: WEEK 2 - FO202**

This course is designed to meet the needs of fire officers and crew leaders with management responsibilities of one or more companies in structural firefighting operations and is composed of two course modules. Module One is based on the National Fire Academy's -Managing Company Tactical Operations (MCTO): Preparation. Key areas covered in this section are preparation for response, decision-making, and tactical operations. Module Two is based on the National Fire Academy's - MCTO: Decision Making. Key areas covered in this section are command sequences, size-up, developing an action plan, and introduction to the incident command system. The course meets selected requirements of NFPA 1021: *Fire Officer Professional Qualifications*.

Course Hours: 30  
Course Fee: \$98.00  
Prerequisites: Fire Officer I: Week 1 – FO201

## **FIRE OFFICER I: WEEK 3 - FO203**

This course is designed for fire officers and managers using incident command structure for fire and emergency operations to develop additional supervisory and management capabilities for structural fire operations. The course is composed of two course modules. Module One is based on the National Fire Academy's - Incident Command System (ICS) course. Key areas covered in this section are incident management systems, an overview of the structure and expandable nature of ICS, an understanding of command skills needed, and skill development through practical scenarios.





Module Two is based on the National Fire Academy's - MCTO: Tactics. Key areas covered in this section are rescue, ventilation, fire attack, water supply, salvage, and overhaul. The course meets selected requirements of NFPA 1021: *Fire Officer Professional Qualifications*. The Tennessee Commission on Firefighting Practicals will be held during this week.

Course Hours: 30  
 Course Fee: \$98.00  
 Prerequisites: Fire Officer I: Week 1 – FO201 **AND** Fire Officer I: Week 2 – FO202

### **FIRE OFFICER I: WEEK 4 - FO204**

This course provides the student practical experience in fire attack pre-planning scenarios in positions of incident commander and company officer conducting fire ground operations on various fire situations using a fire attack simulator. This course meets selected requirements of NFPA 1021: *Fire Officer Professional Qualifications*. After completion of the course, eligible students may take the Tennessee Commission on Fire Fighting Personnel and Standard Education certification exam for Fire Officer I.



Course Hours: 30  
 Course Fee: \$98.00  
 Prerequisites: Fire Officer I: Week 1 – FO201 **AND** Fire Officer II: Week 2 – FO202 **AND** Fire Officer III: Week 3 – FO203

### **ISO FIRE DEPARTMENT GRADING PROCESS - FO210**

The Fire Suppression Rating Schedule is the manual that the Insurance Services Offices (ISO) uses in reviewing the firefighting capabilities of your community. The schedule measures the major elements of a community's fire protection system and develops a numerical grading system called a Public Protection Classification, commonly called your ISO rating.

This course will familiarize students with the Fire Suppression Rating Schedule, allow the understanding of major elements used by ISO, prepare to make strategic operational and budgetary decisions on how to improve the Public Protection Class, and how to develop and implement a plan to improve the Public Protection Class for the community.



Course Hours: 24  
 Course Fee: \$78.00

### **BASIC ORIGIN AND CAUSE INVESTIGATION – FO220**

This course provides the necessary entry-level training for fire service personnel to begin a career in fire investigation. The course is designed for firefighters, law enforcement officers or anyone charged with the responsibility by their department to investigate fires and explosions. The course covers every aspect of the investigation, from the initial fire investigation to the courtroom. Course subject areas include fire chemistry, ignition



sources, fire spread, cause determination, interviewing evidence collection, motives and fatal fire scenes. As part of the course, the student investigator will demonstrate the skills learned in the course by investigation and documenting an actual fire scenario. This course meets selected requirements of NFPA 1033: *Standard for Professional Qualifications for Fire Investigator* and recommendations of NFPA 921: *Guide for Fire and Explosion Investigations*.

Course Hours: 40  
 Course Fee: \$130.00  
 Prerequisite: Arson Detection for the First Responder – FF136



## **ADVANCED ARSON DETECTION FOR FIREFIGHTERS AND FIRE OFFICERS – FO221**

This course is designed to provide the firefighter and fire officer with the training necessary to become competent in fire origin and cause determination that is part of a fire officer's state mandated responsibility. The course is aimed at volunteer or small career fire departments that have limited investigative resources. Firefighters and/or fire officers should be able to: determine the origin of the fire, make the proper classification of the cause, documentation of findings, and notification to the local agency responsible for criminal investigations. Upon successful completion of this course, the student will be able to conduct fire investigations, and preserve and document the scene with a minimum of equipment and manpower.

Course Hours: 20  
Course Fee: \$65.00  
Prerequisite: Basic Origin of Cause Investigation – FO220



## **INSTRUCTIONAL TECHNIQUES FOR COMPANY OFFICERS – FF118**

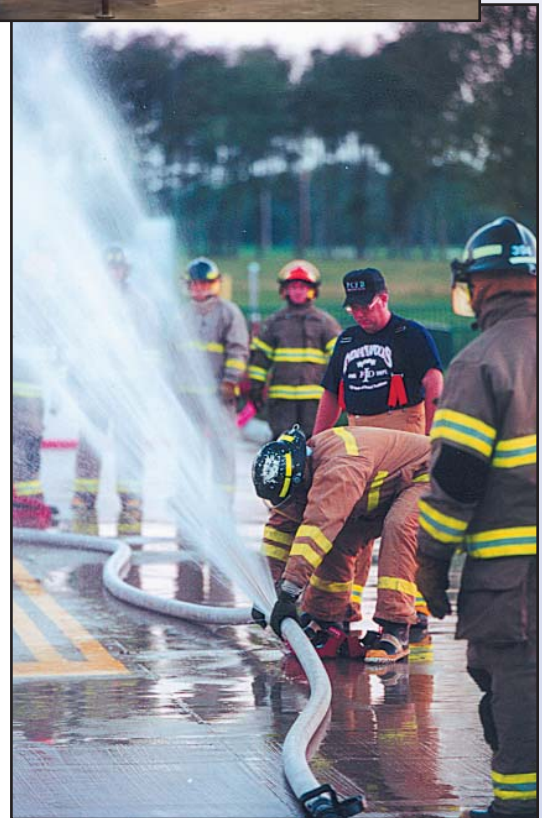
This course is designed to provide to the fire officer the ability to present company-training programs utilizing the four-step method of preparation: presentation, applications and testing, and utilizing a prepared topic. Major topics covered during the course include: adults as learners, setting training objectives, using lesson plans, identifying resources, setting up classrooms, lectures, demonstrations, learning by doing, use of senses in retaining material, and designing and using checklists. Additional topics include supervision of skills practice, coaching, guiding, evaluating, and testing.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **VOLUNTEER FIRE SERVICE MANAGEMENT – FF122**

This course is designed to provide volunteer fire department officers with an introduction to a practical management-training program that will allow them to apply management concepts and principles to the real world of management of their organization. Major topics covered in the course are handling problems by defining, analyzing, acting, and looking for results; authority and persuasion methods of influence; adapting between authority and persuasion; limitations of authority; role relationships; Theory X & Y; motivation; Maslow's Hierarchy of Needs; planning, organizing, and controlling; and developing policies and procedures.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



## **LEADERSHIP I: STRATEGIES FOR COMPANY SUCCESS – FF123**

This course is designed to provide the student with leadership skills of mid-level managers, especially fire company officers. Major topics covered in the course are decision-making, problem solving, brainstorming, meeting management, and understanding the relationship between resources and services provided by a fire company.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus





### **LEADERSHIP II: STRATEGIES FOR PERSONAL SUCCESS – FF124**

This course is designed to provide the student with an understanding of leadership skills and tasks associated with management of multiple roles of managers, ethics, abuse of power, and personal creativity. Major topics covered in the course are ethics, role conflict, fostering creativity and innovation in fire service organizations, and power.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus  
Prerequisite: Leadership I: Strategies for Company Success – FF123

### **LEADERSHIP III: STRATEGIES FOR SUPERVISORY SUCCESS – FF125**

This course is designed to provide the student with an understanding of basic leadership skills related to supervision of personnel. Major topics covered in the course are situational leadership, delegation, coaching, and use of discipline to correct improper employee behavior.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus  
Prerequisite: Leadership I: Strategies for Company Success  
FF123 AND Leadership II:  
Strategies for Personal Success – FF124



### **MANAGING COMPANY TACTICAL OPERATIONS (MCTO): PREPARATION – FF131**

This course is designed to provide the new or prospective fire officer with the basic skills and knowledge necessary to manage one or more fire companies in structural fire fighting operations. Major topics covered in the course are roles and responsibilities of the fire company officer, personal readiness, company readiness, departmental readiness, operational communications, building construction and fire behavior, and pre-incident preparation.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

### **MANAGING COMPANY TACTICAL OPERATIONS (MCTO): DECISION MAKING – FF132**

This course is designed to provide the new or prospective fire officer with a framework for effective structural fire fighting decision-making and tactical organization. Major topics covered are the command sequence, size-up, developing an action plan, and introduction to incident command.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

### **MANAGING COMPANY TACTICAL OPERATIONS (MCTO): TACTICS – FF133**

This course is designed to provide senior or acting company officers with the knowledge and skills needed to accomplish assigned tactics at a structural fire emergency. Major topics covered in the course are introduction to managing company tactical operations; ventilation and rescue; fire confinement and extinguishment; water supply and exposure protection; salvage, overhaul, and support activities; and private dwelling

simulations.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus





## **FIREFIGHTER SAFETY AND SURVIVAL: COMPANY OFFICER'S RESPONSIBILITY – FF134**

This course is designed to provide the student with an appreciation of the seriousness of the firefighter injury and death problems and to provide an awareness of techniques for reducing injuries and deaths. Major topics covered in the course are an explanation of firefighter injuries and deaths, firefighter health and fitness, safety in training, station and response preparation safety, incident safety, post-incident safety, and survival tips.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **FIREFIGHTER SAFETY AND SURVIVAL: PROGRAM IMPLEMENTATION AND MANAGEMENT – FF135**

This course is designed to provide the student with an understanding of general health and safety guidelines and practices needed by firefighters. Major topics covered in the course are safety as an attitude, developing a health and safety program, laws, standards and regulations, health maintenance and physical fitness, stress, emergency scene safety, and safety investigation.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



## **INTRODUCTION TO WILDLAND FIREFIGHTING FOR STRUCTURAL COMPANY OFFICERS – FF138**

This course is designed to identify safe and effective strategy and tactics to minimize harm presented by wildland fires to urban interface. Major topics covered in this course are sizing up the urban wildfire, triage of structures, safety in the urban interface, initial strategy and action, assessment of the action plan, tactics, and public relations and follow up of the incident.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **HEALTH AND SAFETY OFFICER – FF147**

This course is designed to examine the health and safety officer's role in identifying, evaluating, and implementing policies and procedures that affect the safety and health of emergency responders. Major topics covered in this course are the role of the safety and health officer, the laws, standards and regulations, health maintenance, accident prevention investigation, and post-incident examination.

Course Hours: 18  
Course Fee: \$60.00 on-campus, \$36.00 off-campus

## **MANAGING IN A CHANGING ENVIRONMENT – FF148**

This course is designed to develop strategies for managing with a changing economic, social, cultural, political, and technological environment. Major topics presented during the course include economic influences, trends, and conditions, influential social factors, legal impacts on the function of the organization, political environment, trends, condition, and influences, technological changes and new technologies.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus





## SHAPING THE FUTURE – FF149

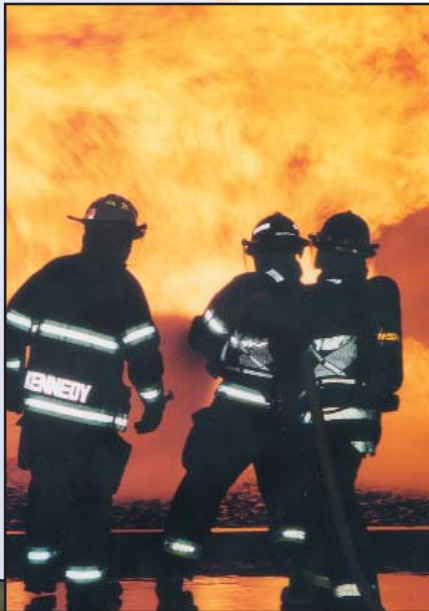
This course is designed to identify creative approaches to problems, create group problem-solving methods, quantify problems and solutions, and develop strategies to implement change. Major topics include utilizing the environmental scanning process to identify existing or potential organizational problems, analyzing the effect of paradigms on creative problem identification, bench marking, barriers to creativity, quantifying problems, cost-benefit, resistance to change, agents for change, and implementing change.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## INCIDENT SAFETY OFFICER – FF152

This course examines the Safety Officer's role at emergency response situations. A specific focus on operations within an Incident Command System (ICS) as a Safety Officer is a main theme. The student will be able to identify and analyze concerns as they relate to all-hazards scene evaluation, and communicate recommended solutions to the command authority.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



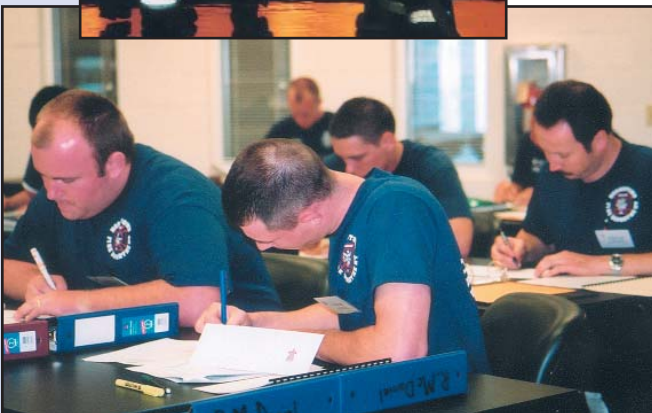
## INSPECTION FOR COMPANY OFFICER – INTRODUCTION TO FIRE INSPECTION PRINCIPLES AND PRACTICES – FF158

This course will provide an introduction to fire inspection principles and practices' illustrating the complexity of today's building designs and systems and their potential impact on life, the environment, and property. This course considers the rapid changes in the field of fire prevention technology within the past decade, the increasing of numbers of fire personnel and personnel from allied professions, and the publication of national standards as it relates to fire prevention and fire inspections.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## MANGING COMPANY TACTICAL OPERATIONS (MCTO): SIMULATIONS – FF167

This course is designed to be the fourth element in the MCTO series, following Managing Company Tactical Operations: Preparation (MCTO:P), Managing Company Tactical Operations: Decision Making (MCTO:DM), Managing Company Tactical Operations: tactics (MCTO:T). Unlike the other three elements in the series, MCTO: S was not designed as a total course but as a compilation of scenarios, with corresponding strategic and tactical guidance included for the instructor. Its focus in on the application of concepts and skills training using a wide range of different building occupancy classifications (e.g., single family dwellings, strip malls, garden apartments, etc.) with sample scenarios for each classification. In this format, the instructor may select those scenarios appropriate for a specific department's unique needs and geographic location.



Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus  
Prerequisites: MCTO: Preparation – FF131, MCTO: Decision Making – FF132 AND MCTO: Tactics – FF133



## TRAINING OPERATIONS IN SMALL DEPARTMENTS – FF168

This course is a foundation and provides a general understanding of how training operations can be managed successfully within small fire and rescue departments. This course is designed to provide students with some basic tools and skills to coordinate training functions in a smaller department that typically includes conduction training drills and coordination training with a nearby larger city or state training function. Course content includes leadership issues in fire service training function, including an understanding of a standard of care and the impact of Occupational Safety and Health Administration (OSHA) and National Fire Protection Association (NFPA) standards; safety considerations in training; marketing training internally; identifying ways to justify training needs; selecting and evaluation training curriculum and materials from outside sources; and effective delivery and evaluation training.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## FIRE CODES

### FIRE INSPECTOR I – INTERNATIONAL CODE COUNCIL (ICC) - CF100 ICC

This course is designed as a preparatory course to assist the new inspector in preparing to sit for the ICC Fire Inspector I Exam. This class is taught using the ICC format and provides the student with the knowledge and skills necessary to examine buildings and structures for compliance with the International Fire Code and International Building Code. Topics include private fire protections systems, building construction, life safety codes, and inspections/enforcement methods.

Course Hours: 35  
Course Fee: \$240.00

\*This basic course will be reduced to \$40.00 to qualified individuals if funds are available. Contact TFACA for more information.

### FIRE INSPECTOR I – NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - CF100 NFPA

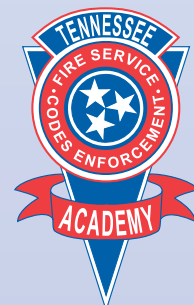
This course is designed as a preparatory course to assist the new inspector in preparing to sit for the NFPA Fire Inspector I Exam. This course is taught using the NFPA format and provides the student with the knowledge and skills necessary to examine buildings and structures for compliance with NFPA standards and the International Fire Service Training Association (IFSTA) Manual. Topics include private fire protection systems, building construction, life safety codes, and inspection/enforcement methods.

Course Hours: 35  
Course Fee: \$240.00

\*This basic course will be reduced to \$40.00 to qualified individuals if funds are available. Contact TFACA for more information.

### FIRE INSPECTOR II – INTERNATIONAL CODE COUNCIL (ICC) - CF101 ICC

This course concentrates on construction and inspection requirements, technique and procedures, and the technical knowledge needed to ensure minimum requirements are met. This advanced course deals with complex construction and fire protection systems using the International Code Council format. The course provides the student with the knowledge and skills necessary to examine buildings and structures for compliance with the International Fire Code and the





International Building Code. Topics include private fire protection systems, building construction and inspection/enforcement methods.

Course Hours: 28  
Course Fee: \$190.00

### **FIRE INSPECTOR II – NATIONAL FIRE PROTECTION ASSOCIATION (NFPA) - CF101 NFPA**

This course is taught using the NFPA format and concentrates on construction and inspection requirements, techniques and procedures, and the technical knowledge needed to ensure that the minimum requirements are met. This is an advanced course dealing with complex construction and fire protection systems. Topics include protective systems and equipment, building fire safety, hazardous materials and special hazards.

Course Hours: 28  
Course Fee: \$190.00



### **FIRE PREVENTION**

#### **FIRE AND LIFE SAFETY EDUCATOR - FP130**

This course is designed for those individuals who coordinate or assist their organization in public fire and life safety education. The course meets selected sections of NFPA 1035: *Professional Qualifications for Public Fire and Life Safety Educator*. Key areas include strategies for public fire and life safety education, community fire and injury prevention programs, resources, and development/implementation.

Course Hours: 40  
Course Fee: \$130.00

#### **FIRE INVESTIGATION I – FP201**

This basic fire investigation course includes comprehensive classroom training and practical exercises including flashover demonstrations. Topics covered in this course include building construction, scientific method, fire dynamics, fire chemistry, origin and cause, and fire scene exam methodology. Additional topics include fire investigation myths and legends, fire pattern analysis, basic electricity, evidence collection, and safety. Immediately following acceptance into the course, students will receive copies of NFPA 921, *Guide for Fire Investigations*, NFPA 1033, *Standard for Professional Qualifications for Fire Investigator* and *Kirk's Fire Investigation*. The student is required to read these materials in their entirety before attending this class.

Course Hours: 40  
Course Fee: \$300.00  
Prerequisites: Restricted to full time, sworn investigators **OR** full-time paid public safety fire investigators.

### **FIRE INVESTIGATION II / ADVANCED CAUSE AND ORIGIN / COURTROOM TECHNIQUES – FP202**

This is a highly technical course of instructions where investigators study advanced fire origin and cause, and receive extensive hands-on instruction in processing fire scenes, preparing reports and testifying in court. The course includes complex burn scenarios that require personnel to use principles and methods of fire scene investigation to accurately make origin and cause determinations, collect and document evidence, and prepare written reports and associated documentation that can withstand courtroom challenges. Topics cover fire dynamics, electrical

fires, combustion explosions, fire indicators, fire scene documentation, legal aspects, courtroom demeanor and expert witness qualifications.

Course Hours: 80  
Course Fee: \*\$500.00  
Prerequisite: Restricted to full time, sworn investigators **OR** full-time paid public safety fire investigators **AND** Fire Investigation I – FP201 **OR** two years experience as a fire investigator.

\*Reduction of fee if accepted in International Association of Arson Investigators (IAAI): Expert Witness Courtroom Testimony – FP203

### **INTERNATIONAL ASSOCIATION OF ARSON INVESTIGATORS (IAAI): EXPERT WITNESS COURTROOM TESTIMONY\* – FP203**

The overall goal of the Expert Witness Courtroom Testimony course is to enable the applicants for the Certified Fire Investigator (CFI) program to fulfill the court testimony requirements for the CFI application process. This course provides the necessary tools for all fire investigators who may be called upon for depositions and/or courtroom testimony relevant to facts or opinions developed through a fire investigation.

Course Hours: 20  
Course Fee: \$350.00 IAAI Tennessee Chapter members  
\$400.00 non-members

\* This course is limited to 8 participants. All applications for the Fire Investigation series will be reviewed for approval. You will be notified in advance of acceptance to these courses. IAAI reserves the right not to certify a course or issue student certificates should the minimum standards of the course not be met. Deadline for enrollment is 45 days prior to course start date.

### **CONDUCTING BASIC FIRE PREVENTION INSPECTIONS – FF119**

This course is designed to provide the student with the basic knowledge necessary to conduct fire prevention inspections and to recognize potential hazards. Major topics in the course include purpose of codes, building, fire, fire prevention, and fire model codes, authority and responsibility, reports and record keeping; preparing for and conducting the inspection, basic fire safety concepts, common heating and cooking hazards, automatic sprinkler systems, and protective signaling devices.

Course Hours: 16  
Course Fee: \$52.00 on-campus, \$32.00 off-campus

### **PUBLIC FIRE EDUCATION – FF157**

This course is designed for those individuals who coordinate or assist their organization in public fire and life safety education. The course meets selected sections of *NFPA 1035: Professional Qualifications for Public Fire and Life Safety Educator*. Key areas include strategies for public fire and life safety education, development and implementation, community fire and injury prevention programs, and resources.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus







## **FIRE PREVENTION FOR FIRST RESPONDERS AND SMALL DEPARTMENTS - FF160**

This course is designed to provide the student with the knowledge and skills to become an advocate of the importance of fire prevention and how it ties to the overall mission of an effective fire department by recognizing the community's risk from fire and identifying solutions and resources aimed at addressing their community's fire and injury challenges. The course stresses awareness, advocacy, and motivational content needed by those who traditionally have been focused on operations (suppression, EMS, etc.) and who seek to learn new successful approaches appropriate for communities of all sizes, but most especially America's smaller communities. Course tools include: lessons learned from other communities, resources available, and the means and value of building partnerships and coalitions.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **MARKETING FIRE PREVENTION IN YOUR COMMUNITY – FF170**

This course is a part of a series of prevention and mitigation courses geared towards the needs of small communities and rural departments. Students will begin developing a marketing plan for fire prevention utilizing resources from other courses and those already in place in their local communities. Upon completion of this course, students will have a draft fire prevention marketing plan that will outline target hazardous from their local jurisdiction.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **RESCUE**

### **SMOKE DIVER - FR100\***

This course is designed to develop maximum firefighter capabilities while working in protective breathing apparatus. The full potential of the firefighter and associated equipment is achieved in physically and mentally stressful situations. The course is mastered through performance-based objectives that each firefighter must complete. This course is designed for experienced firefighting personnel and requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations. Candidates must be in good physical condition.

Course Hours: 30  
Course Fee: \$98.00 on-campus

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.

### **HIGH ANGLE RESCUE - FR110\***

This course is designed to teach the student the safe use of modern rope rescue techniques. Emphasis is placed on the safety of both the victim and the rescuer. Key areas of the course include knot craft, technical hardware and equipment, anchoring systems, lowering systems, rescue rappelling, and skill building through practical scenarios. This is a physically and mentally intense course and requires the student to work at heights, as well as from rope, in rappel and rescue situations.

Course Hours: 40  
Course Fee: \$250.00

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.





## CONFINED SPACE RESCUE - FR120\*

This course is designed to instruct emergency service personnel in safe rescue techniques for confined space emergencies. Emphasis is placed on the safety of both the victim and the rescuer. Key areas of the course include OSHA 1910.146 regulations, equipment familiarization, confined space entry procedures, rescue techniques, and skill building through practical scenarios. This course is physically and mentally intense and requires the student to work at elevations and in confined spaces, as well as from rope, in rappel and rescue situations. Students should be mentally and physically prepared to meet this challenge when registering for this course.

Course Hours: 40  
Course Fee: \$250.00

\*This course requires a high degree of physical fitness and the ability to cope with physically and mentally demanding situations.

## INCIDENT COMMAND SYSTEM (ICS) FOR STRUCTURAL COLLAPSE INCIDENTS - FF156

This course is designed to provide fire officers with an understanding of command operations at structural collapse incidents. Students completing this course will be able to: describe the aspects of a structural collapse; explain basic command procedures and the ICS organizational structure; identify critical factors and issues that affect scene management; describe unique operational considerations; describe response operations phases; describe the technical rescue expertise and equipment required for safe operations and effective incident management. Students attending should understand and be able to apply the Incident Command System concept. This course is geared toward fire command officers.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## DIVE RESCUE I - DR101\*

This course is designed to introduce qualified Scuba divers with underwater SAR techniques. Subjects covered include dive team equipment, procedures, and communications. Search patterns, recovery of victims, vehicles, and evidence are also taught in a mix of classroom and field exercises.

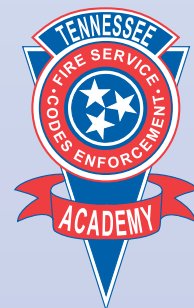
Course Hours: 24  
Course Fee: Fees determined by the Tennessee Association of Rescue Squads (TARS)

Note: Participants are required to furnish the following equipment: mask, fins, snorkel, BC, regulator, octopus, gauges (depth, pressure, compass), two full tanks, weight belt w/weights, (Full) wet suit or dry suit, personal marker buoy, knife, dive light, dive watch, whistle, and P.F.D.

## DIVE RESCUE II – DR201\*

This course is designed to build upon the Dive Rescue I – DR101 class with a special emphasis on underwater evidence recovery techniques. With many units supporting local law enforcement efforts, this class covers important procedures that should be followed in searching, finding, recovering evidence in underwater environment.

Course Hours: 20  
Course Fee: Fees determined by the Tennessee Association of Rescue Squads (TARS)





Prerequisites:

Dive Rescue I – DR101

Note: Participants are required to furnish the following equipment: mask, fins, snorkel, BC, regulator, octopus, gauges (depth, pressure, compass), two full tanks, weight belt w/weights, (Full) wet suit or dry suit, personal marker buoy, knife, dive light, dive watch, whistle, and P.F.D.

## SPECIALIZED

### **TENNESSEE FIRE INCIDENT REPORTING SYSTEMS (TFIRS) - FS100**

This course provides the student with basic instruction regarding the philosophy of using TFIRS to document fire and other emergency incidents. Instruction enables students to successfully promote, support, and manage TFIRS data collection and entry. Course delivery includes standard lecture and hands-on computer data entry, retrieval, and analysis of results. No prior computer experience is required. Basic computer navigation and familiarization is part of the instruction.

Course Hours: 15

Course Fee: \$50.00



### **CRISIS INTERVENTION STRESS MANAGEMENT (CISM):**

#### **BASIC GROUP CRISIS INTERVENTION - FS110\*** (Note on next page)

This course prepares participants to understand a wide-range of crisis intervention services including pre-and post-incident crisis education, significant other support services, on-scene support services, crisis intervention for individuals, demobilizations after large-scale traumatic incidents, small group defusings and the group intervention known as Critical Incident Stress Debriefing (CISD). This course specifically prepares participants to provide several of these interventions, specifically demobilizations, defusings, and the basic interventions of CISD. At the completion of this course, participants will be able to: define stress, Critical Incident Stress (CIS) and Post Traumatic Stress Disorder (PTSD), list the 10 basic interventions of CISM and define and describe in detail the CISM group process of Demobilizations, Defusings and Debriefings.

Course Hours: 15

Course Fee: \$20.00\*



#### **CRISIS INTERVENTION STRESS MANAGEMENT (CISM): INDIVIDUAL CRISIS INTERVENTION AND PEER SUPPORT - FS111\*** (Note on next page)

Crisis intervention is not psychotherapy; rather it is a specialized acute emergency mental health intervention that requires specialized training. This course is designed to teach participants the fundamentals of, and a specific protocol for, individual intervention. This class is structured for fire and emergency services, military and peer support personnel without formal training in mental health, which desire to increase their knowledge of individual (one on one) crisis intervention techniques.

Course Hours: 15

Course Fee: \$20.00\*

### **CRISIS INTERVENTION STRESS MANAGEMENT (CISM):**

#### **ADVANCED GROUP CRISIS INTERVENTION- FS112\*** (Note on next page)

This training program is designed to provide the participants with the latest information on critical incident stress management techniques and post-trauma syndromes. The program emphasizes a broadening of the knowledge base concerning critical incident stress interventions as well as Post Traumatic Stress Disorder, which was established in the basic program and/or in



publications. At the conclusion of this educational program, the participants will have been exposed to specific, proven strategies to intervene with those suffering the ill effects of their exposure to trauma. The emphasis is placed on advanced defusing and debriefings in complex situations.

Course Hours: 15  
Course Fee: \$20.00\*

Note: All CISM course include textbooks and lunch.

\*Fees subsidized by grant for eligible students. Subject to change. Dependent on grant financing.

### **EMERGENCY SERVICES DISPATCHER - FS120**

This course is designed to teach the entry-level dispatcher/telecommunicator the necessary knowledge and skills to perform emergency dispatch duties and will familiarize the student with the basic concepts of alarm transmission and emergency dispatch procedures. The student will participate in both classroom activities and simulated dispatch exercises utilizing simulators.

Course Hours: 40  
Course Fee: \$130.00

### **TENNESSEE WEEKEND AT THE NATIONAL FIRE ACADEMY - FS200**

The State Weekend Program offered at the National Fire Academy (NFA) is a unique educational opportunity for fire and rescue personnel from Tennessee to attend selected two-day NFA courses as a group. Priority for student enrollment is to mid-level officers as the target audiences identified by the NFA, but all applications are considered. The Tennessee Weekend is held each fall at the NFA in Emmitsburg, Maryland and is sponsored by the following organizations: National Fire Academy, TN State Fire Marshal's Office, TN Fire Service and Codes Enforcement Academy, TN Fire Chief's Association, TN Firemen's Association, TN Advisory Committee on Arson, and TN Public Fire and Life Safety Educator's Association. A separate announcement is mailed to Tennessee fire departments and includes registration and application procedures.

Course Hours: 16  
Prerequisites: Must be 18 years of age with three years of fire service experience.

Note: Separate registration process required.

### **SMOKY MOUNTAIN WEEKEND - FS201**

The program is a unique educational opportunity for fire and rescue personnel to attend selected two-day courses held for one weekend. The courses offered include classroom-based and hands-on training classes. Smoky Mountain Weekend is conducted each spring in Sevier County, TN and is jointly sponsored by the TN Fire Service and Codes Enforcement Academy, the Sevier County Fire Chief's Association and the Sevier County Training Officers Association. A separate announcement is mailed to Tennessee fire departments and includes all registration and application procedures.

Prerequisites: Must be 18 years of age.

Note: Separate registration process required.







## **TENNESSEE FIREMAN'S ASSOCIATION (TFA) TRAINING WEEKEND AT TENNESSEE FIRE SERVICE AND CODES ENFORCEMENT ACADEMY- FS202**

The program is a unique educational opportunity for fire and rescue personnel to attend selected two-day courses held for one weekend. The courses offered include classroom-based and hands-on training classes. The Tennessee Fireman's Association Weekend is conducted each winter and is jointly sponsored by the TN Fire Service and Codes Enforcement Academy and the TFA. A separate announcement is mailed to Tennessee fire departments and includes all registration and application procedures.

Prerequisites: Must be 18 years of age.

## **TENNESSEE FEDERATION OF FIRE CHAPLAINS:\* (Note on next page) BASIC EMERGENCY SERVICE CHAPLAINS ACADEMY – FS310**

This course provides newly appointed fire, rescue, and EMS chaplains with the initial knowledge and skills needed to assume their role as a fire department or emergency services chaplain. Major topics include: new chaplain training and orientation, starting and maintaining a chaplain program, emergency service administration and public ceremonies, chaplain service within a pluralistic society, death and injury notification, introduction to the incident management system, safely working the emergency scene, emergency service funerals, and stress for emergency workers and their families. Additional course areas include: Introduction to Critical Incident Stress Management, the Public Safety Officer Benefits Program, employee assistance programs, HIPAA and confidentiality issues. This course fulfills the initial training requirements of Emergency Service Chaplain Certification under the Tennessee Federation of Fire Chaplains (TFFC) in conjunction with the Federation of Fire Chaplains (International).

Course Hours:	16
Course Fee:	Fees determined by Chaplains Association
Prerequisites:	Participants must have completed membership in the Tennessee Federation of Fire Chaplains prior to start of course.

## **TENNESSEE FEDERATION OF FIRE (Note on next page) CHAPLAINS:\* EMERGENCY SERVICE CHAPLAINS – SPECIALTY TRACT – FS320**

This advanced training course for Emergency Service Chaplains is designed to provide additional skills and knowledge to improve the chaplain's abilities to deal with a wide variety of circumstances and issues related to their responsibilities as a fire or emergency service chaplain. Example course topics include: ethics, suicide intervention, crisis management, serving during special situations, safety, confidentiality, validation of chaplain service for government agencies, Critical Incident Stress Management (CISM) and other curriculum related to the role of emergency service chaplainry. This course provides continuing education units that can be applied toward meeting the requirements for Advanced Emergency Service Chaplains certification.

Course Hours:	16
Course Fee:	Fees determined by Chaplains Association



**Prerequisites:** Participants must have completed membership in the Tennessee Federation of Fire Chaplains prior to start of course. Participants must have completed the Tennessee Federation of Fire Chaplains: Basic Emergency Service Chaplains Academy.

\*Registration or acceptance to these courses is determined by the Tennessee Federation of Fire Chaplains Basic Emergency Service Chaplains Academy-FS310.

## **ERT/HAZMAT**

### **RECOGNIZING AND IDENTIFYING HAZARDOUS MATERIALS – FF139**

This course is designed to provide the student with an opportunity to gain an insight into the methods of identifying hazardous materials. Major topics covered in this course are the definition of hazardous materials, and recognizing signs, symptoms and clues for detecting the presence of hazardous materials.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



### **HAZARDOUS MATERIALS INCIDENT ANALYSIS – FF140**

This course is designed to provide the student with the knowledge required for effective analysis of a hazardous materials incident. Major topics covered in the course are the definition of hazardous materials, hazardous material emergencies and their outcomes, potentially dangerous assumptions, estimating likely harm, event analysis, and characteristics and behavior of hazardous materials.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

### **INITIAL RESPONSE TO HAZARDOUS MATERIAL INCIDENTS: BASIC CONCEPTS – FF141**

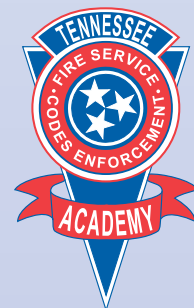
This course is designed to provide the first responder with the basic concepts and techniques for appropriate behavior before, during and after the hazardous materials incident. Major topics covered in the course are introduction, regulations and standards, personal safety, toxicology, site management and scene set-up, personal protective equipment, decontamination, and resources.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

### **INITIAL RESPONSE TO HAZARDOUS MATERIAL INCIDENTS: CONCEPT IMPLEMENTATION – FF142**

This course is designed to give the first responder an understanding of the basic steps of a systematic process for a safe and appropriate response to hazardous materials incidents including identifying the types, uses, and sources of information needed to recognize and identify the hazard, and identifying the basic options, requirements, and limitation of the methods used to control, contain, or confine a hazardous materials incident. Major topics covered in the course are estimating the potential course and harm of the incident, determining strategic goals, assessing tactical options, and planning and implementing actions, examinations, and reviews.







assessing tactical options, and planning and implementing actions, examinations, and reviews.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

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### **EMERGENCY RESPONSE TO TERRORISM: BASIC CONCEPTS – FF144**

This course is designed to prepare first responder personnel to take the appropriate course of action at the scene of a potential terrorist incident. Major topics for this course include understanding and recognizing terrorism, defensive considerations, command and control issues, self-protective measures, scene security, notifications, and smooth transition from emergency to recovery to termination operations.



Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

### **INITIAL RESPONSE TO TERRORISM FOR COMPANY OFFICERS – FF145**

This course is designed to provide first-on-the-scene supervisors with the necessary knowledge and skills to establish initial command of emergencies involving potential terrorism events. This course builds upon the existing knowledge and skills obtained in the *Emergency Response to Terrorism: Basic Concepts* course. Students must have a working knowledge of the Incident Command System (ICS). Major topics covered in this course are recognition of the signs of terrorism, scene security, use of the incident command system, unusual circumstances related to terrorist activities, self-protection, and information search.



Course Hours: 15  
Course Fee: \$50.00 on-campus  
\$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

### **BASIC LIFE SUPPORT AND HAZARDOUS MATERIALS RESPONSE – FF146**

This course is designed to provide an overview of critical concerns for emergency medical responders at hazardous materials incidents, including toxicological aspects associated with hazardous material incident response. Major topics covered during this course are safety issues for EMS-hazardous material response teams, managing contaminated victims, decontaminating and treatment procedures at basic life support level, transportation and receiving facilities, and compliance/understanding of federal regulations regarding hazardous materials response.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus



## **EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS: HAZARDOUS MATERIALS – FF153**

This course is designed for the first responding hazardous materials technician or persons who have the responsibility of developing initial hazardous materials tactical considerations. The students will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. They also will apply their knowledge about responding to a terrorist event, managing site safety, documenting the event and debriefing personnel.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

## **EMERGENCY RESPONSE TO TERRORISM: WEAPONS OF MASS DESTRUCTION – FF155**

This course is design to provide the student with the knowledge required to identify the signs of weapons of mass destructions before and after the incident. Major topics covered are potential harm of the incident, determining strategic goals, assessing tactical options, and planning and implementing actions, examinations, and reviews of the incident.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

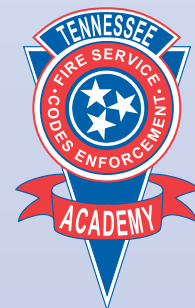
\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

## **EMERGENCY RESPONSE TO TERRORISM: AWARENESS – FF162**

This course is designed to teach the student how to recognize the conditions and indicators, which may identify a potential terrorist act, and the procedures for contacting appropriate authorities. The student will be capable of using the time, distance, and shielding process as protection measures against chemical, biological, radiological, nuclear, or explosive incidents (CBRNE). Students will understand and be familiar with the purpose for the Operation Security (OPSEC) and the Critical Infrastructure Protection (CIP) process. Other course topics include: three roles of the Incident Command (IC) associated with a terrorism incident; the five “Golden Rules of Unified Command”; and the primary indicators to transfer from the emergency phase, to the recovery phase, to the termination phase of a terrorism incident.

Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.





## EMERGENCY RESPONSE TO TERRORISM: TACTICAL CONSIDERATIONS FOR EMERGENCY MEDICAL SERVICES – FF163

This course is designed for the first on-the-scene responding EMS personnel with the responsibility to render patient care to victims of potential terrorist incidents. The student will be trained in security considerations, identifying signs of terrorism, anticipating unusual response circumstances, assessing information, and initiating self-protection actions. The student will be able to apply their knowledge of terrorist event response procedures as it relates to: providing patient care, identifying and preserving evidence, managing site safety, documenting the event, and debriefing personnel.

Course Hours: 15  
 Course Fee: \$50.00 on-campus, \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.



## EMERGENCY RESPONSE TO TERRORISM: STRATEGIC CONSIDERATIONS FOR COMPANY OFFICERS – FF164

This course is designed for the senior-level officer(s) who may be responsible for command of incidents involving terrorism. This course is intended to build upon existing skills as an Incident Commander and knowledge of terrorism from professional experience or from the *Emergency Response to Terrorism: Basic Concepts (ERT: BC)* or *Emergency Response to Terrorism: Self-Study (ERT: SS)* courses. The class will assist the command officer in preparing an effective response to the consequences of terrorism. For the response to be effective, plans must be in place to guide responders in managing the incident. Incident Commanders must be prepared to operate as part of a multi-agency, multi-discipline, and multi-jurisdictional response. To address the command and control challenges that likely will confront the Incident Commander, the class consists of lecture supported by case studies and practice scenarios. This will enable the students to apply their knowledge of pre-incident planning, managing emergency incidents, and operating as part of a Unified Command structure.

Course Hours: 15  
 Course Fee: \$50.00 on-campus,  
 \$30.00 off-campus\*

\*Emergency Response to Terrorism Course fees are currently covered through federal grant funding and are offered at no cost to Tennessee emergency personnel. Subject to change without notice.

## MODULAR EMERGENCY RESPONSE RADIOLOGICAL TRANSPORTATION TRAINING – FF166

This course addresses the concerns of state and local jurisdictions providing the fundamental knowledge for responding to transportation incidents involving radioactive material. This course also builds on training in existing hazardous materials curriculum. Course material is designed to

meet the training needs of personnel from the fire service, law enforcement agencies, emergency medical service, emergency management, public workers or hazardous materials teams.



Course Hours: 15  
Course Fee: \$50.00 on-campus, \$30.00 off-campus

## **HAZARDOUS MATERIALS OPERATIONS LEVEL: HANDS-ON – FF171**

Designed to provide the student with the hands-on practical training, this 20-hour operations level course meets the requirements of the *National Fire Protection Association (NFPA) 472, Chapter 5, Competencies for the First Responder at the Operational Level*. These practicals also meet or exceed the hands-on competencies as required by the Tennessee Emergency Management Association (TEMA). The student will perform defensive controls, gross decon, donning and doffing of personal protective equipment which includes self contained breathing apparatus, and more. Upon successful completion of this course and required prerequisites, eligible students will be able to take the Tennessee Commission on Fire Fighting's written examination *Hazardous Materials Operation Level*.

Course Hours: 20  
Course Fee: \$65.00  
Prerequisites: Initial Response to Hazardous Materials Incidents:  
Basic Concepts - FF141 **AND** Initial Response to  
Hazardous Materials Incidents: Concept  
Implementation- FF-142

## **EMERGENCY RESPONSE TO TERRORISM: INCIDENT RESPONSE TO TERRORIST BOMBINGS – FF172**

This course is an “awareness level” course designed to provide the student with basic information concerning explosive and incendiary devices that could be used as terrorist weapons. Upon completion, the student will be able to evaluate and respond effectively to terrorism incidents that involve energetic materials – explosives and incendiaries. Students will understand the dangers associated with Weapons of Mass Destruction (WMD) incidents involving energetic materials and actions that can reduce the risk to emergency responders and others at the incident scene, as well as identifying potential explosive materials and explosive devices. Additionally, students will understand key actions that must be accomplished in order to meet the objectives of an effective response: rescue and recovery of victims, completion of a successful criminal investigation and the restoration of normal operations, services and conditions. This class leads to a better understanding of the terrorist threat, including potential targets and likely terrorist tactics in one's community.

Course Hours: 8  
Course Fee: \$26.00 on-campus, \$16.00 off-campus

